

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

In re Application of: YEO-CHANG YOON

Original Patent No. 6,141,627 issued on 31 October 2000

Serial No.: *to be assigned*

Examiner: *to be assigned*

Filed: 20 December 2001

Art Unit: *to be assigned*

For: METHOD AND APPARATUS FOR CONTROLLING POWER CONSUMPTION  
IN A TILT CORRECTING COIL

**TRANSMITTAL OF DECLARATIONS**

Assistant Commissioner  
for Patents  
Washington, D.C. 20231  
**Box: REISSUE**

Sir:

This transmittal accompanies:

1. Reissue Application Declaration by the Assignee in combination with Declaration as to Loss of Letters Patent (PTO/SB/52); and
2. Reissue Application Declaration by the Inventor (PTO/SB/51).

for the above captioned reissue application.

Respectfully submitted,

---

Robert E. Bushnell,  
Attorney for the Applicant  
Registration No.: 27,774

Suite 300, 1522 "K" Street, N.W.  
Washington, D.C. 20005  
(202) 408-9040

Folio: P55057RE  
Date: 12/20/1  
I.D.: REB/kf

**REISSUE APPLICATION DECLARATION BY THE INVENTOR**Docket Number (Optional)  
**P55057RE**

As a below named inventor, I hereby declare that:

My residence, post office address and citizenship are stated below next to my name.

I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is described and claimed in patent number 6,141,627, granted on October 31, 2000, and for which a reissue patent is sought on the invention entitled METHOD AND APPARATUS FOR CONTROLLING POWER CONSUMPTION IN A TILT CORRECTING COIL, the specification of which

☒ is attached hereto, and is being amended in the Preliminary Amendment filed concurrently with this reissue application.

☐ was filed on \_\_\_\_\_ As reissue application number \_\_\_\_ / \_\_\_\_\_, and was amended on \_\_\_\_\_.  
(If applicable)

I hereby state that I have reviewed and understand the contents of the above-identified specification, including the claims, as amended by any amendment referred to above. I acknowledge the duty to disclose information which is material to patentability and to the examination of this application in accordance with Title 37 of the Code of Federal Regulations §1.56. I hereby claim foreign priority benefits under Title 35, U.S. Code §119(a)-(d) or §365(b) of any foreign application(s) for patent or inventor's certificate, or §365(a) of any PCT International application which designated at least one country other than the United States, or §119(e) of any United States provisional application(s), listed below and have also identified below any foreign applications for patent or inventor's certificate having a filing date before that of the application on which priority is claimed:

Priority Claimed:

15728/1997  
(Application Number)Republic of Korea  
(Country)26 April 1997  
(Day/Month/Year filed)

Yes [ X ] No [ ]

I have reviewed and understand the contents of the above identified specification, including the claims, as amended by any amendment referred to above.

I acknowledge the duty to disclose information which is material to patentability as defined in 37 CFR 1.56.

I verily believe the original patent to be wholly or partly inoperative or invalid, for the reasons described below.  
(Check all boxes that apply.)

- ☒ by reason of a defective specification or drawings.
- ☒ by reason of the patentee claiming more or less than he had the right to claim in the patent.
- ☒ by reason of other errors.

At least one error upon which reissue is based is described as follows:

Pursuant to 37 C.F.R. §1.175, Applicant believes the original aforesaid patent to be wholly or partly inoperative by reason of a defective specification or drawings, or by reason of the patentee claiming more or less than the patentee had the right to claim in the patent, or by reason of other errors.

As to the drawings and specification, it is Applicant's intent and desire to clarify the circuitry as to tilt correcting signal circuitry with respect to the tilt correcting coil 50, as illustrated in new Fig. 1A, in view of the disclosure at column 3, lines 20-64 of the original aforesaid patent. New Fig. 1A has been added and the specification has been amended to more clearly set forth circuitry including tilt correcting signal circuitry, identified in new Fig. 1A by the numeral 60, for outputting a signal or withholding a signal in relation to enabling or not enabling tilt correction by the tilt correcting coil 50, in view of the disclosure of the original aforesaid patent, for example, at column 3, lines 20 to column 4, line 56. Also, Fig. 2 has been amended to grammatically place Fig. 2 in better form.

Applicant also believes the original aforesaid patent to be wholly or partly inoperative by reason of his claiming more or less than he had a right to claim in the original aforesaid patent and, more specifically, by failing to more broadly claim Applicant's inventions as disclosed and described in the original aforesaid patent.

Specifically, the specification sets forth methods and apparatus for controlling power consumption of a tilt correcting coil utilizing circuitry that provides a signal or withholds a signal in relation to a power supply mode, normal or reduced power consumption, an activity state, or horizontal and vertical synchronizing signals, in view of the disclosure of the original aforesaid patent at column 1, line 35 through column 4, line 56, and claims have been added in this regard.

Also, claims have been added directed to a computer storage medium including instructions for implementing a method for controlling power consumption in a tilt correcting coil, in view of the disclosure in the original aforesaid patent with respect to Fig. 2 and the microcomputer 20, such as at column 3, line 65-column 4, line 56 of the original aforesaid patent.

Accordingly, it is Applicant's intent and desire to obtain broader coverage of his inventions as defined by the newly presented claims 13 through 57 in this reissue application, in addition to the claim coverage of claims 1 through 12 of the original aforesaid patent.

Further, it is Applicant's intent to clarify the patent claims in the original aforesaid patent, particularly to correct an error in claim 11 with respect to the positive input terminal of the second amplifier being connected to an output terminal of the first amplifier, and to clarify claim 12 to recite the tilt correcting pulse width modulated signal in accordance with the tilt correcting value, as well as other clarifying corrections, such as in claims 8, 9, and 11.

## (REISSUE APPLICATION DECLARATION BY THE INVENTOR, page 3)

Docket Number (Optional)  
**P55057RE**

All errors corrected in this reissue application arose without any deceptive intention on the part of the applicant. As a named inventor, I hereby appoint the following attorney(s) and/or agent(s) to prosecute this application and transact all business in the Patent and Trademark Office connected therewith.

Name(s): Robert E. BushnellRegistration Number: 27,774

Correspondence Address: Direct all communication about the application to:

☐ Customer Number 008-439 →

Type Customer Number Here

Place Customer Number,

OR

Bar Code Label Here

<input checked="" type="checkbox"/> Firm or individual Name	ROBERT E. BUSHNELL AND LAW FIRM				
Address	1522 K Street, N.W., Suite 300,				
City	Washington	State	D.C.	ZIP	20005-1202
Country	U.S.A.				
Telephone	(202) 408-9040	Fax	(202) 628-0755		

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine and imprisonment, or both, under 18 U.S.C. 1001, and that such willful false statements may jeopardize the validity of the application, any patent issuing thereon, or any patent to which this declaration is directed.

Full name of sole or first inventor (given name, family name)

**YEO-CHANG YOON**

Inventor's signature

*Yeo Chang Yoon*

Residence:

959-16, Bangbae2-dong, Seocho-gu,  
Seoul, Republic of Korea

Date

*December 11, 2001*

Post Office Address:

Same as above

Citizenship:

Republic of Korea

Full name of sole or first inventor (given name, family name)

Inventor's signature

Residence

Date

Post Office Address

Citizenship

☐ Additional joint inventors are named on separately numbered sheets attached hereto.

<b>REISSUE APPLICATION DECLARATION BY THE ASSIGNEE</b>		Docket Number (optional) <b>P55057RE</b>								
<p>I hereby declare that:</p> <p>My residence and post office address and citizenship are stated below next to my name.</p> <p>I am authorized to act on behalf of the following assignee: <u>SAMSUNG ELECTRONICS CO., LTD.</u></p> <p>and the title of my position with said assignee is: <u>Senior Manager</u></p> <p>The entire title to the patent identified below is vested in said assignee.</p>										
Name of Patentee(s): <u>YEO-CHANG YOON</u>										
Patent Number: <u>6,141,627</u>		Date of Patent Issued <u>October 31, 2000</u>								
Title of Invention: <u>METHOD AND APPARATUS FOR CONTROLLING POWER CONSUMPTION IN A TILT CORRECTING COIL</u>										
<p>I believe said patentee(s) to be the original, first and sole/joint inventor(s) of the subject matter which is described and claimed in said patent, for which a reissue patent is sought on the invention entitled <u>METHOD AND APPARATUS FOR CONTROLLING POWER CONSUMPTION IN A TILT CORRECTING COIL</u>, the specification of which</p> <p><input checked="" type="checkbox"/> is attached hereto, and is being amended in the Preliminary Amendment filed concurrently with this reissue application.</p> <p><input type="checkbox"/> was filed on _____ As reissue application number ____ / _____, and was amended on _____</p> <p style="text-align: center;">(If applicable)</p> <p>I hereby state that I have reviewed and understand the contents of the above-identified specification, including the claims, as amended by any amendment referred to above. I acknowledge the duty to disclose information which is material to patentability and to the examination of this application in accordance with Title 37 of the Code of Federal Regulations §1.56. I hereby claim foreign priority benefits under Title 35, U.S. Code §119(a)-(d) or §365(b) of any foreign application(s) for patent or inventor's certificate, or §365(a) of any PCT International application which designated at least one country other than the United States, or §119(e) of any United States provisional application(s), listed below and have also identified below any foreign applications for patent or inventor's certificate having a filing date before that of the application on which priority is claimed:</p> <table style="width: 100%; border: none;"> <tr> <td style="text-align: center;"><u>15728/1997</u></td> <td style="text-align: center;"><u>Republic of Korea</u></td> <td style="text-align: center;"><u>26 April 1997</u></td> <td style="text-align: right;">Priority Claimed:</td> </tr> <tr> <td style="text-align: center;">(Application Number)</td> <td style="text-align: center;">(Country)</td> <td style="text-align: center;">(Day/Month/Year filed)</td> <td style="text-align: right;">Yes [ X ] No [ ]</td> </tr> </table> <p>I have reviewed and understand the contents of the above identified specification, including the claims, as amended by any amendment referred to above.</p> <p>I acknowledge the duty to disclose information which is material to patentability as defined in 37 CFR 1.56.</p>			<u>15728/1997</u>	<u>Republic of Korea</u>	<u>26 April 1997</u>	Priority Claimed:	(Application Number)	(Country)	(Day/Month/Year filed)	Yes [ X ] No [ ]
<u>15728/1997</u>	<u>Republic of Korea</u>	<u>26 April 1997</u>	Priority Claimed:							
(Application Number)	(Country)	(Day/Month/Year filed)	Yes [ X ] No [ ]							

Burden Hour Statement: This form is estimated to take 0.5 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.

I verily believe the original patent to be wholly or partly inoperative or invalid, for the reasons described below.  
(Check all boxed that apply.)

- ☒ by reason of a defective specification or drawings.
- ☒ by reason of the patentee claiming more or less than he had the right to claim in the patent.
- ☒ by reason of other errors.

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(REISSUE APPLICATION DECLARATION BY THE ASSIGNEE, page 2)				Docket Number (optional) <b>P55057RE</b>	
<p>All errors corrected by this reissue application arose without any deceptive intent on the part of the Applicant. I offer to surrender the original grant of the patent, unless that patent is lost or has become unavailable. I hereby appoint the following attorney(s) and/or agent(s) to prosecute this application and transact all business in the Patent and Trademark Office connected therewith.</p> <p>Name(s) <b>Robert E. Bushnell</b> Registration Number <b>27,774</b></p>					
Correspondence Address: Direct all communications about the application to:					
<input type="checkbox"/> Customer Number <b>008-439</b> → <i>Place Customer Number Bar Code Label Here</i> <i>Type Customer Number Here</i> <b>OR</b>					
<input checked="" type="checkbox"/> Firm or Individual Name		ROBERT E. BUSHNELL AND LAW FIRM			
Address		1522 K Street, N.W., Suite 300,			
City	Washington	State	D.C.	Zip	20005-1202
Country	U.S.A.				
Telephone	(202) 408-9040				
<p>The undersigned officer of the Assignee, is duly authorized to make this Declaration, and has examined the documents of title, and determined that SamSung Electronics Co., Ltd., the assignee of U.S. Patent No. 6,141,627 by virtue of an Assignment from all inventors recorded in the U.S. Patent &amp; Trademark Office at Reel No. 9323, at Frame No. 0219 on the 20<sup>th</sup> day of July 1998, consents to the filing of this reissue application for the reissue of U.S. Patent No. 6,141,627.</p> <p>I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine and imprisonment, or both, under 18 U.S.C. 1001, and that such willful false statements may jeopardize the validity of the application, any patent issuing thereon, or any patent to which this declaration is directed.</p>					
Full name of person signing (given name, family name)		YONG-TAE LEE			
Signature <i>Yong Tae Lee</i>				Date <i>Dec. 11, 2001</i>	
Address of Assignee 416 Maetan-dong, Paldal-gu, Suwon-city, Kyungki-do, Republic of KOREA					
Patentee YEO-CHANG YOON				Citizenship	
Residence/Post Office Address: 959-16, Bangbae2-dong, Seocho-gu, Seoul, Republic of Korea					
Patentee				Citizenship	
Residence/Post Office Address					